*CHEM 242 – Lecture 28 24/03/2014*

Overheads: - Outline

Recap Friday: Reactions of Carbonyl Compounds With Poor LG’s



Nitrile Hydrolysis: 3 extra steps (need to add second H2O)

Application:



Other Reactions of Carbonyl Compounds:

1. Amides:

- remove H2O to make nitriles (reverse of first 5 steps of nitrile hydrolysis)



1. Carboxylic Acids
   * Seen that we can use acyl halides to make all others... but how do we make acyl halides??







Next Up: Carbonyls with NO LG (Ch. 17 or 18 in 6th ed)



Naming Aldehydes:

* choose longest C chain that includes C of C=O (= C#1)
* replace –e with –al



Naming Ketones:

* choose longest C chain that includes C of C=O (NOT C#1!!)
* replace –e with –one
* locate position of C=O, counting from closest end





Reactions of Ketones and Aldehydes



Ketones *vs* Aldehydes: Which react faster?

